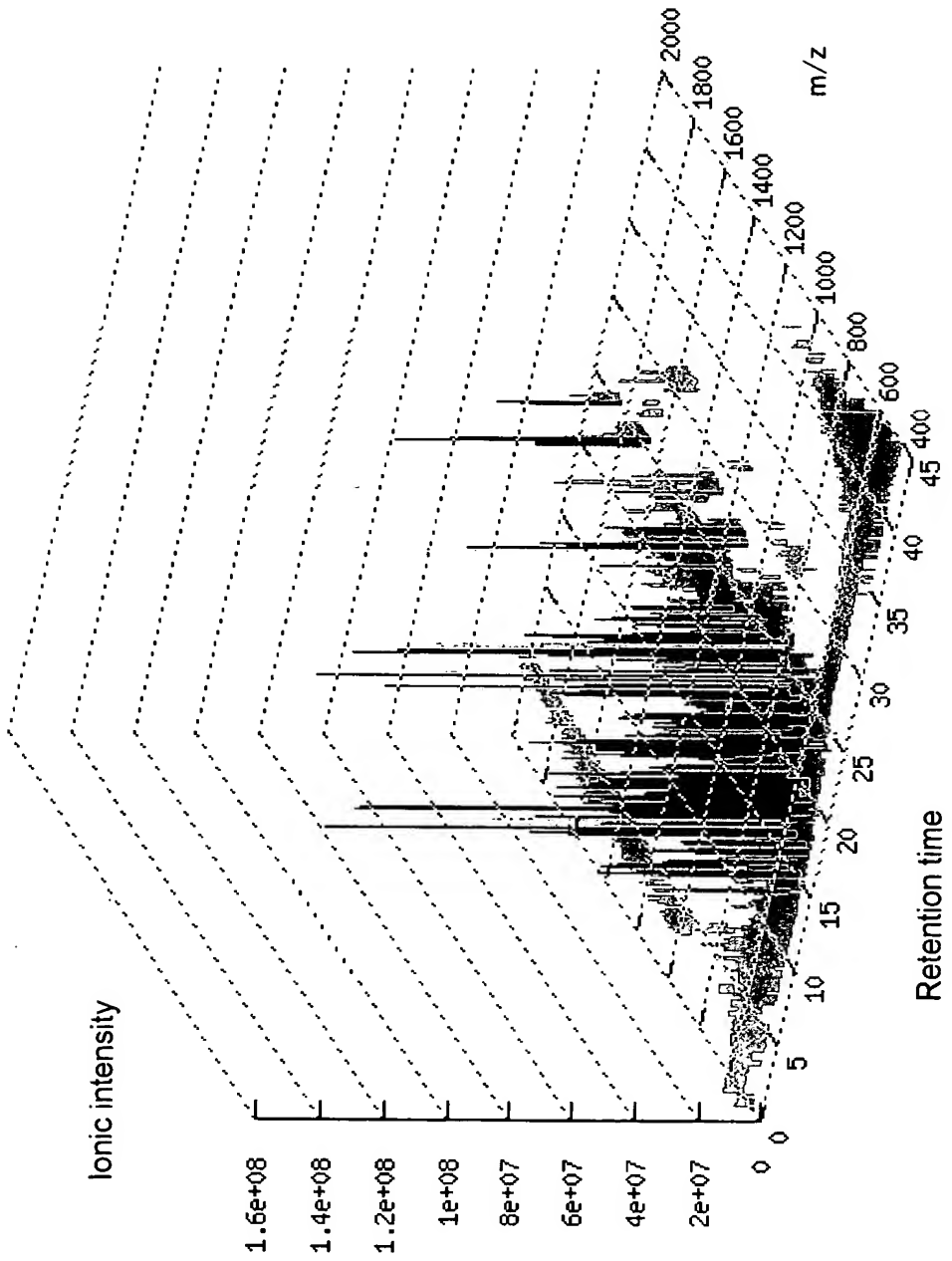
Fig. 1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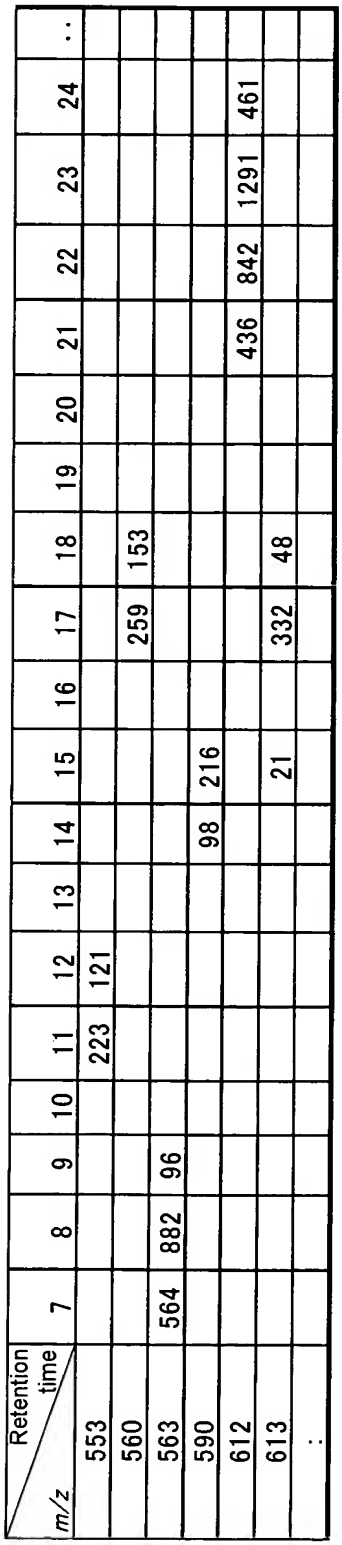
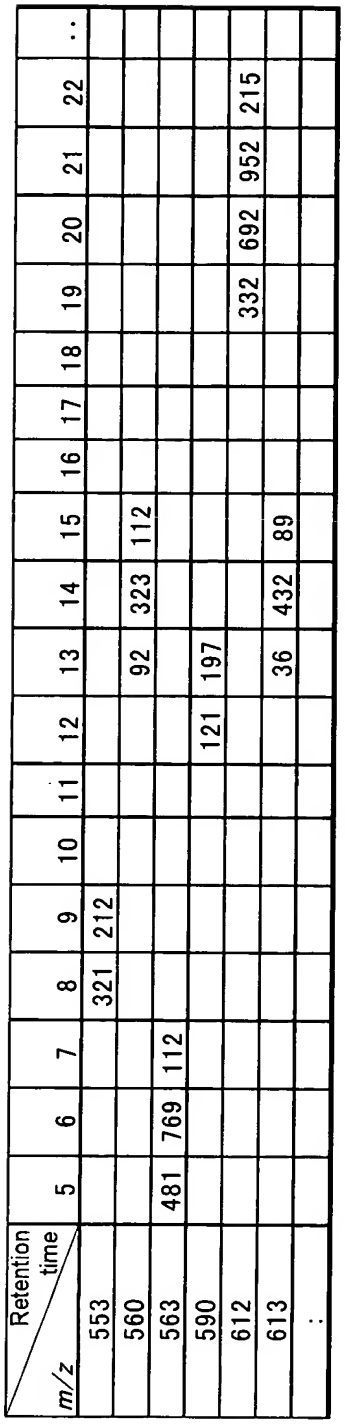
1.2e+08
1e+08
8e+07
6e+07
4e+07
2e+07
0
0
5
10
15
20
25
30
35
40
45
Retention time
400
600
800
1000
1200
1400
1600
1800
2000
m/z

Fig. 2



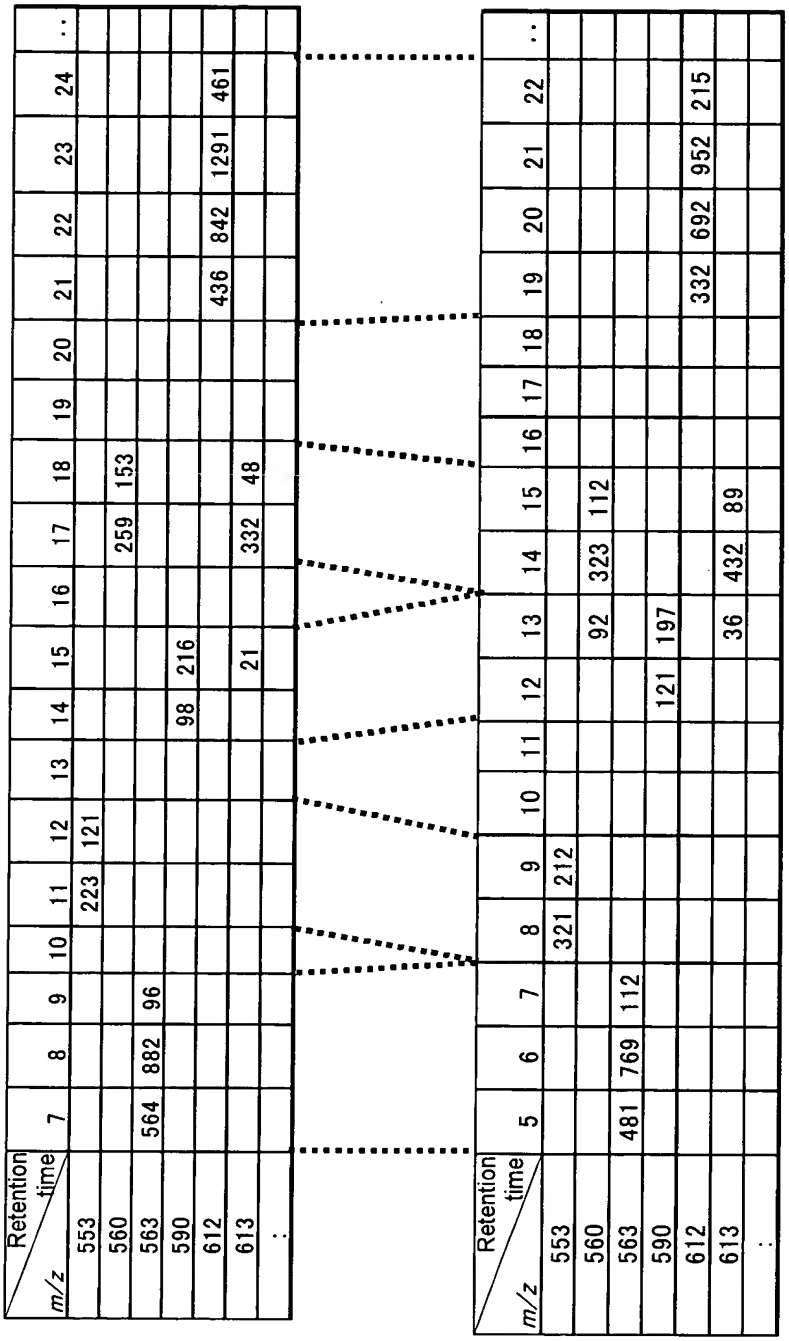
m/z \ Retention time	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	..
553					223	121													
560											259	153							
563	564	882	96																
590								98	216										
612															436	842	1291	461	
613									21		332	48							
:																			

Fig. 3



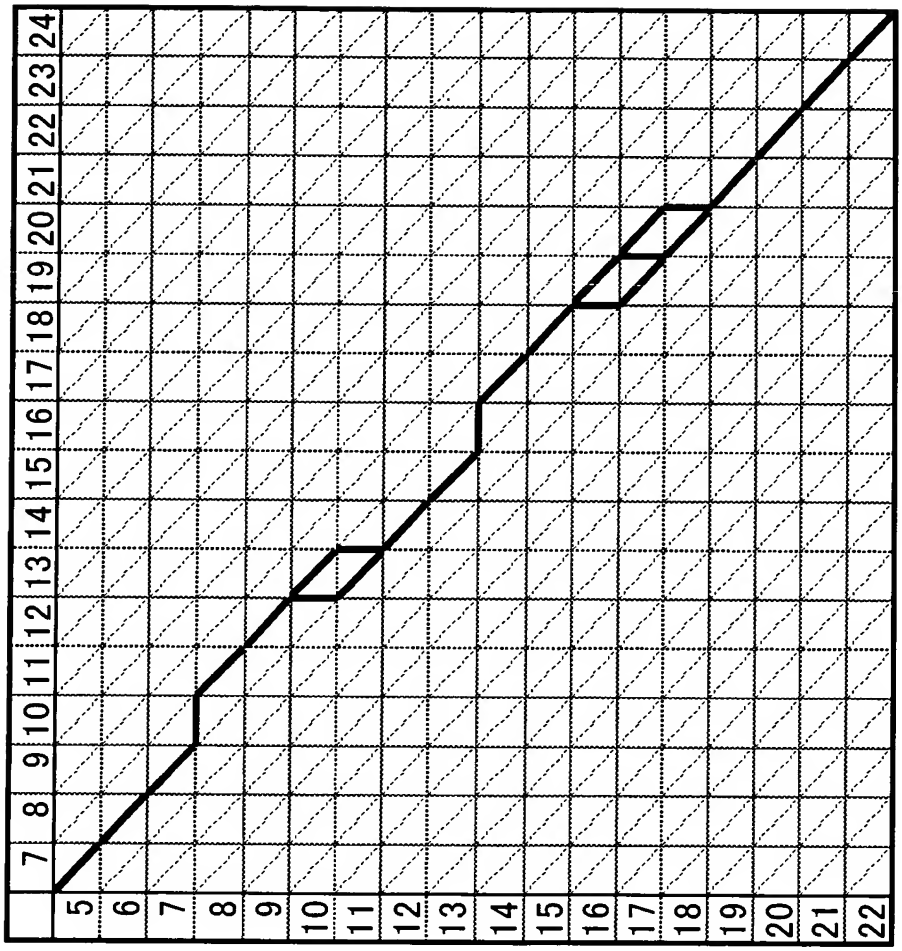
m/z \ Retention time	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	..
553				321	212														
560									92	323	112								
563	481	769	112																
590								121	197										
612															332	692	952	215	
613									36	432	89								
:																			

Fig. 4



Retention time / m/z	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	..
553					223	121													
560											259	153							
563	564	882	96																
590								98	216										
612															436	842	1291	461	
613									21		332	48							
:																			

Retention time / m/z	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	..
553				321	212														
560									92	323	112								
563	481	769	112																
590								121	197										
612															332	692	952	215	
613									36	432	89								
:																			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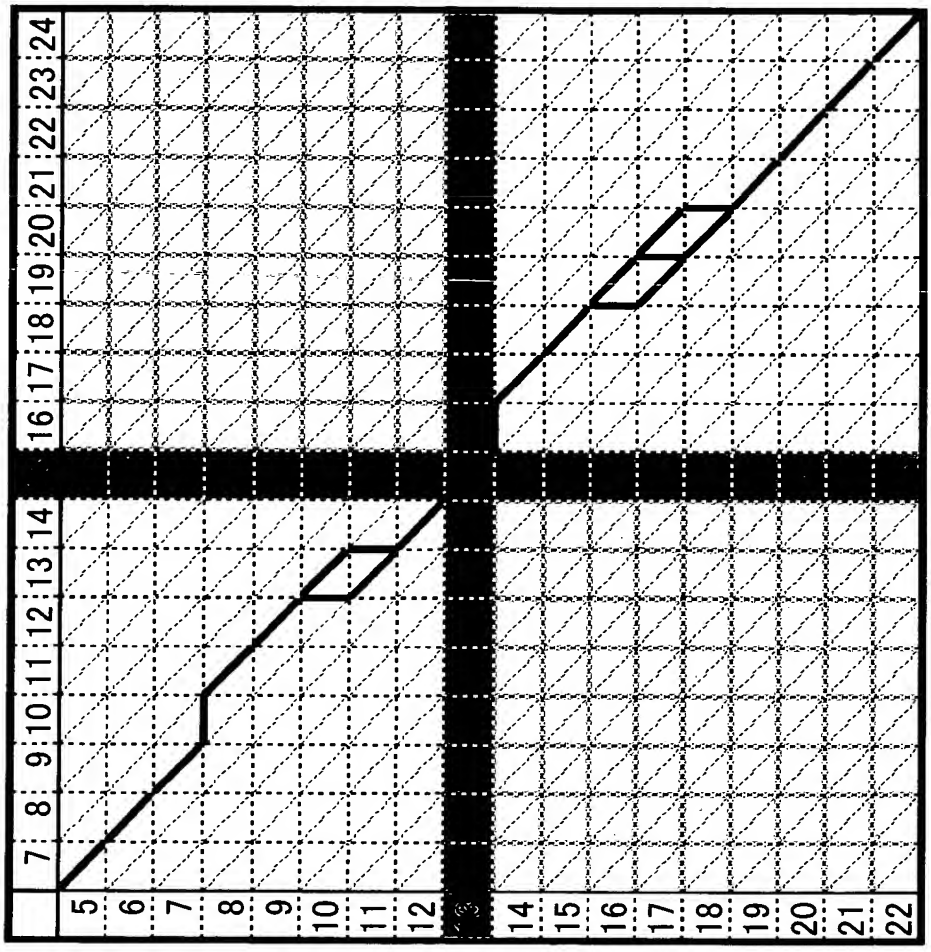
5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

Fig. 5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5 6 7 8 9 10 11 12 14 15 16 17 18 19 20 21 22

Fig. 6

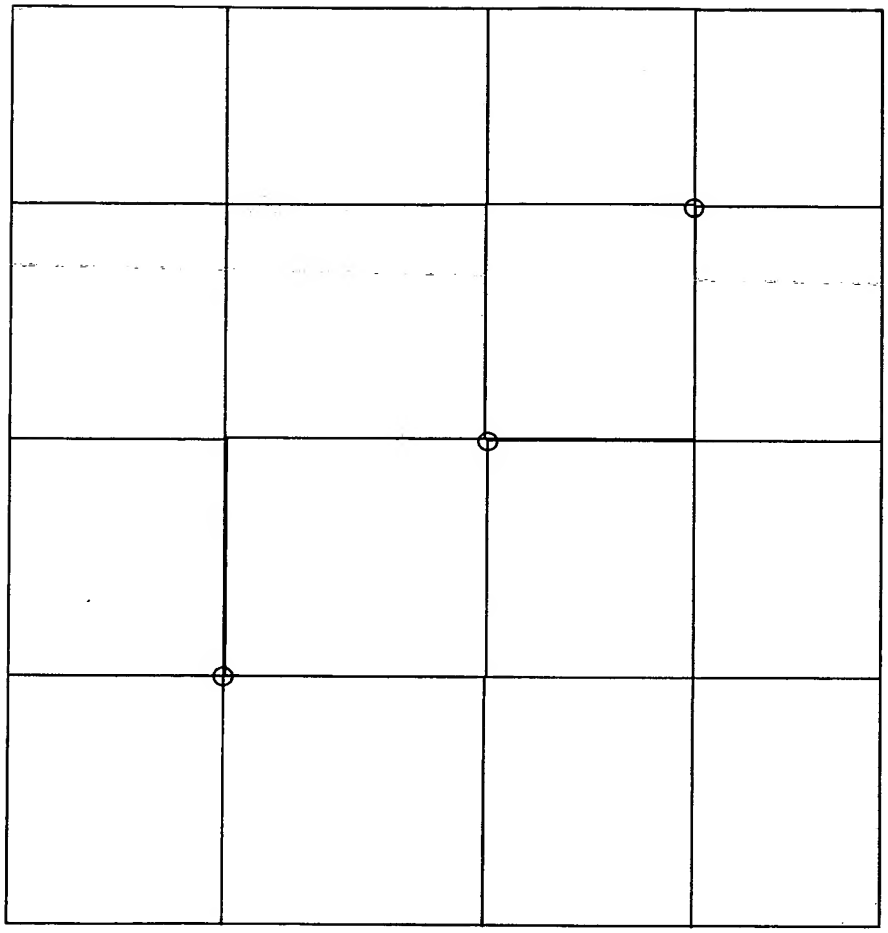
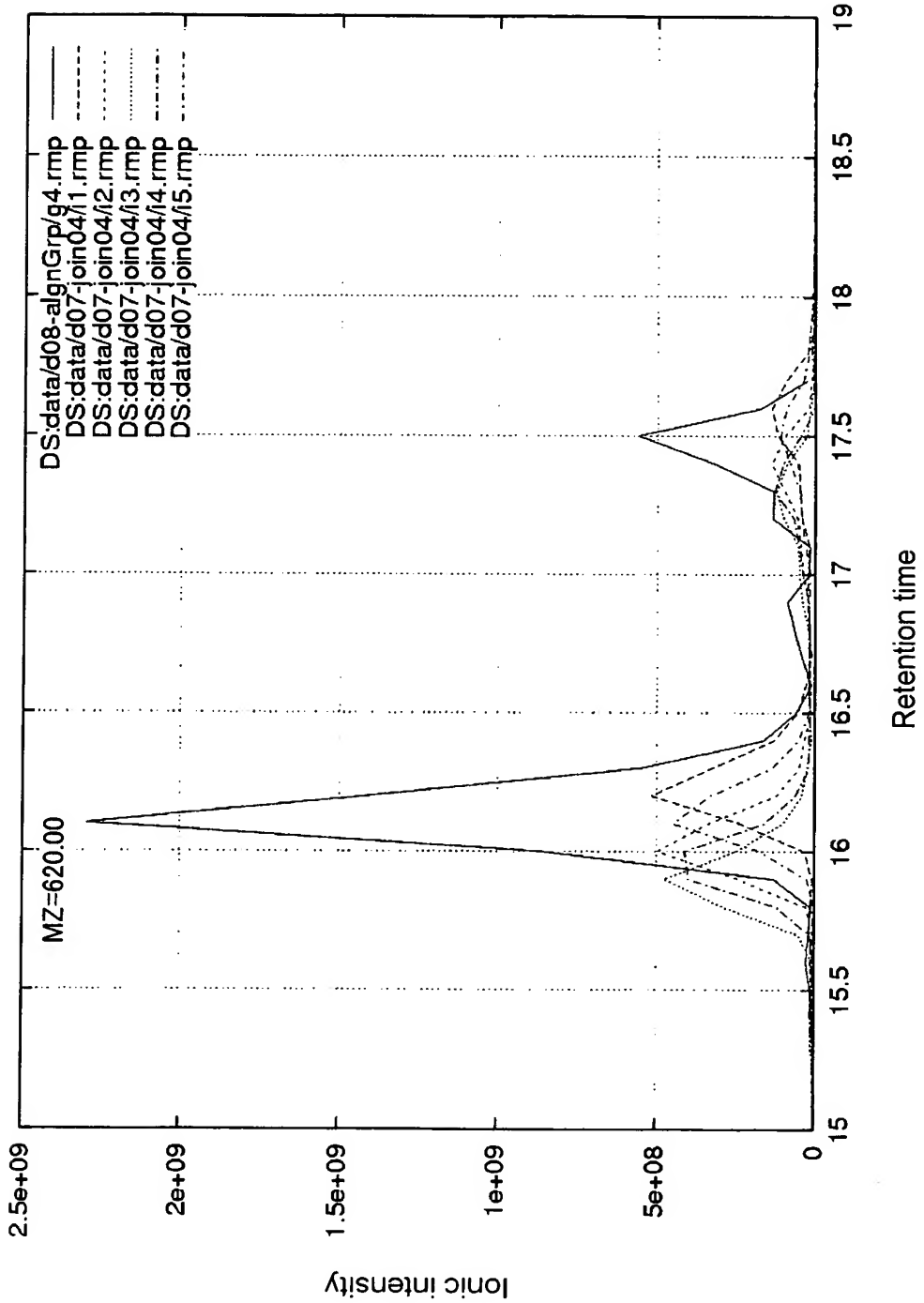


Fig. 7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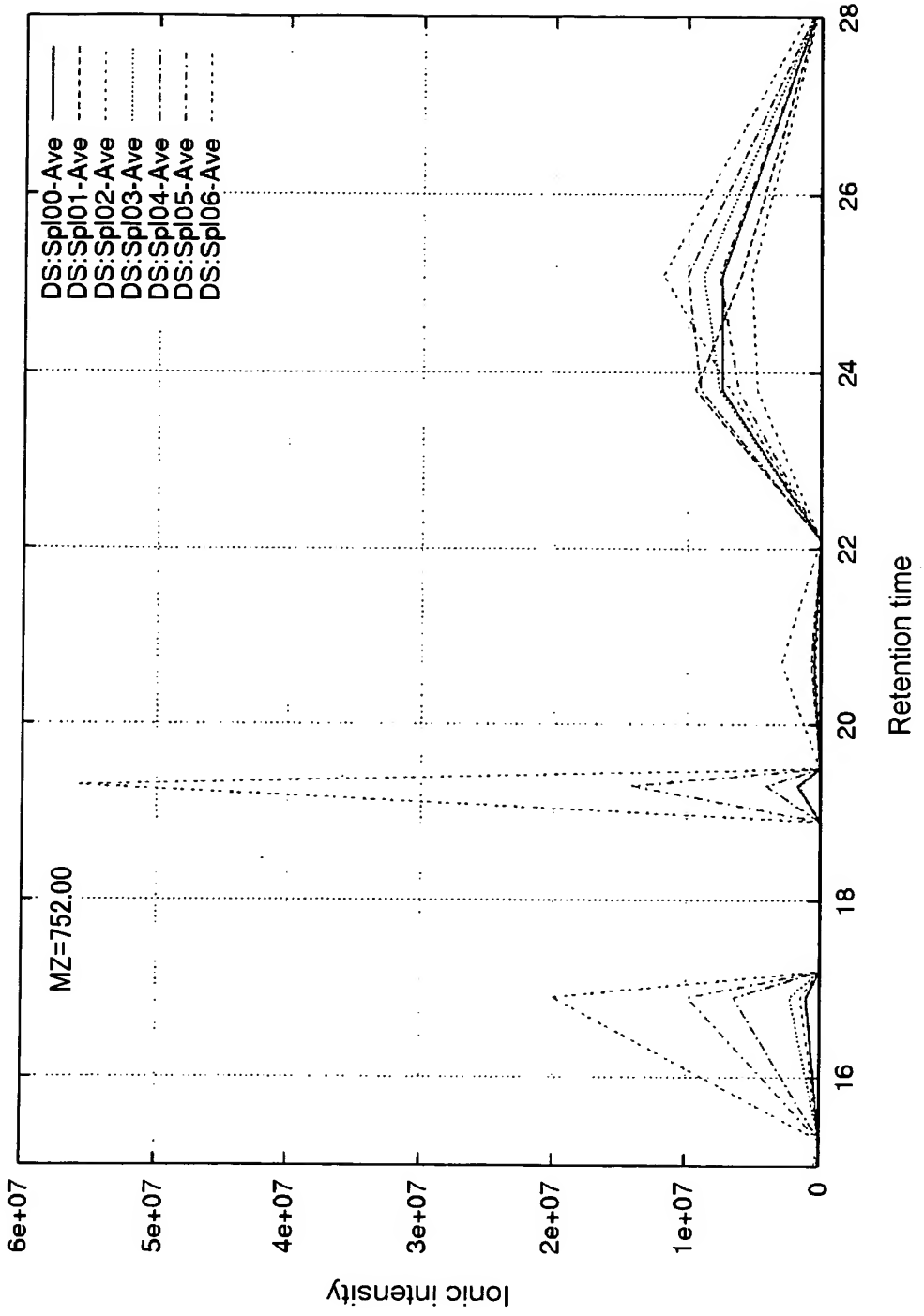
DS:data/d07-join04/l2.rmp
DS:data/d07-join04/l3.rmp
DS:data/d07-join04/l4.rmp
DS:data/d07-join04/l5.rmp
MZ=620.00
Ionic intensity
Retention time
2.5e+09
2e+09
1.5e+09
1e+09
5e+08
0
15
15.5
16
16.5
17
17.5
18
18.5
19

Fig. 8

Fig. 9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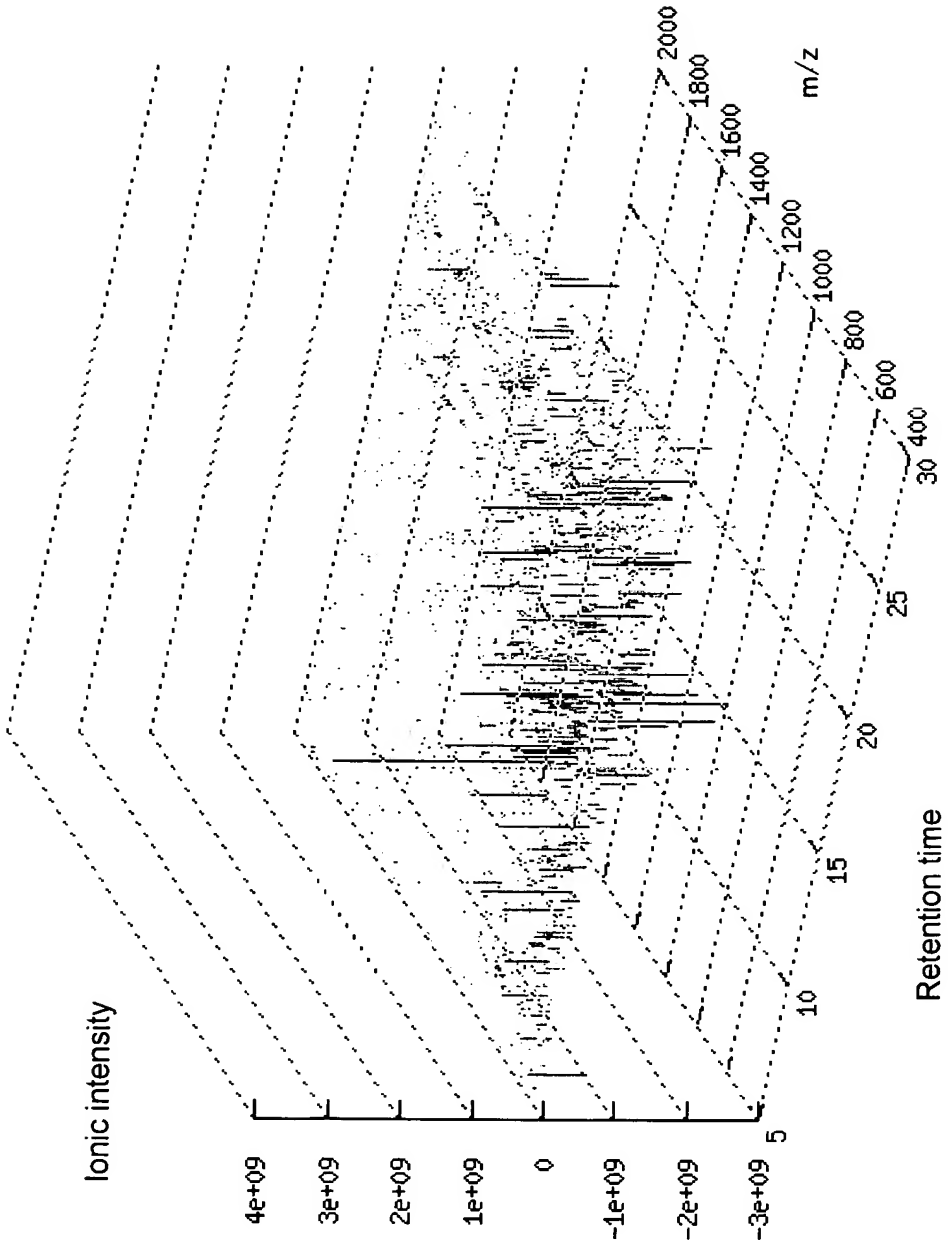
DS:Spl01-Ave
DS:Spl02-Ave
DS:Spl03-Ave
DS:Spl04-Ave
DS:Spl05-Ave
DS:Spl06-Ave
MZ=752.00
Ionic intensity
Retention time
6e+07
5e+07
4e+07
3e+07
2e+07
1e+07
0
16
18
20
22
24
26
28

Fig. 10


Ionic intensity
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3e+09
2e+09
1e+09
0
-1e+09
-2e+09
-3e+09
5
10
15
20
25
30
Retention time
400
600
800
1000
1200
1400
1600
1800
2000
m/z

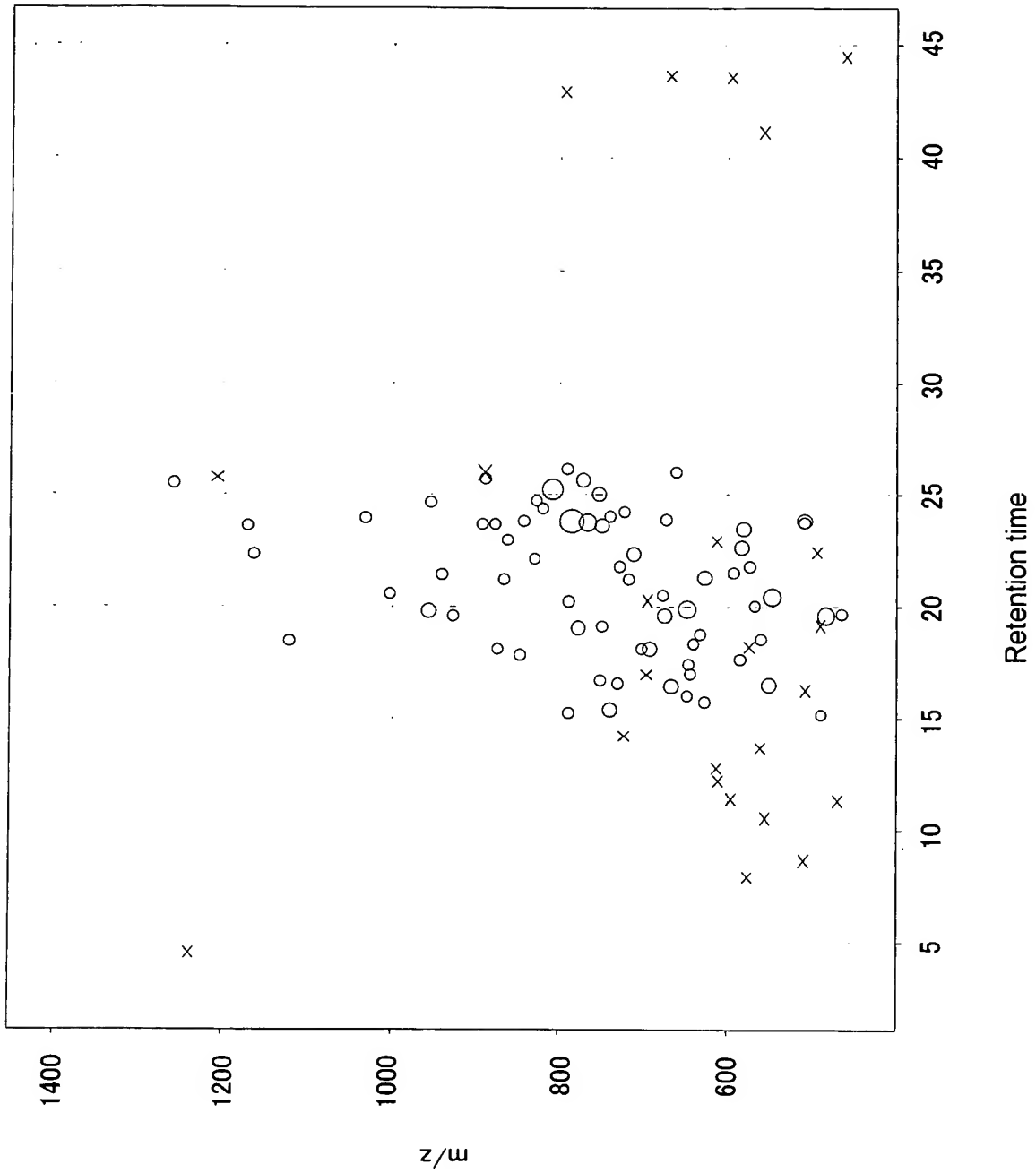
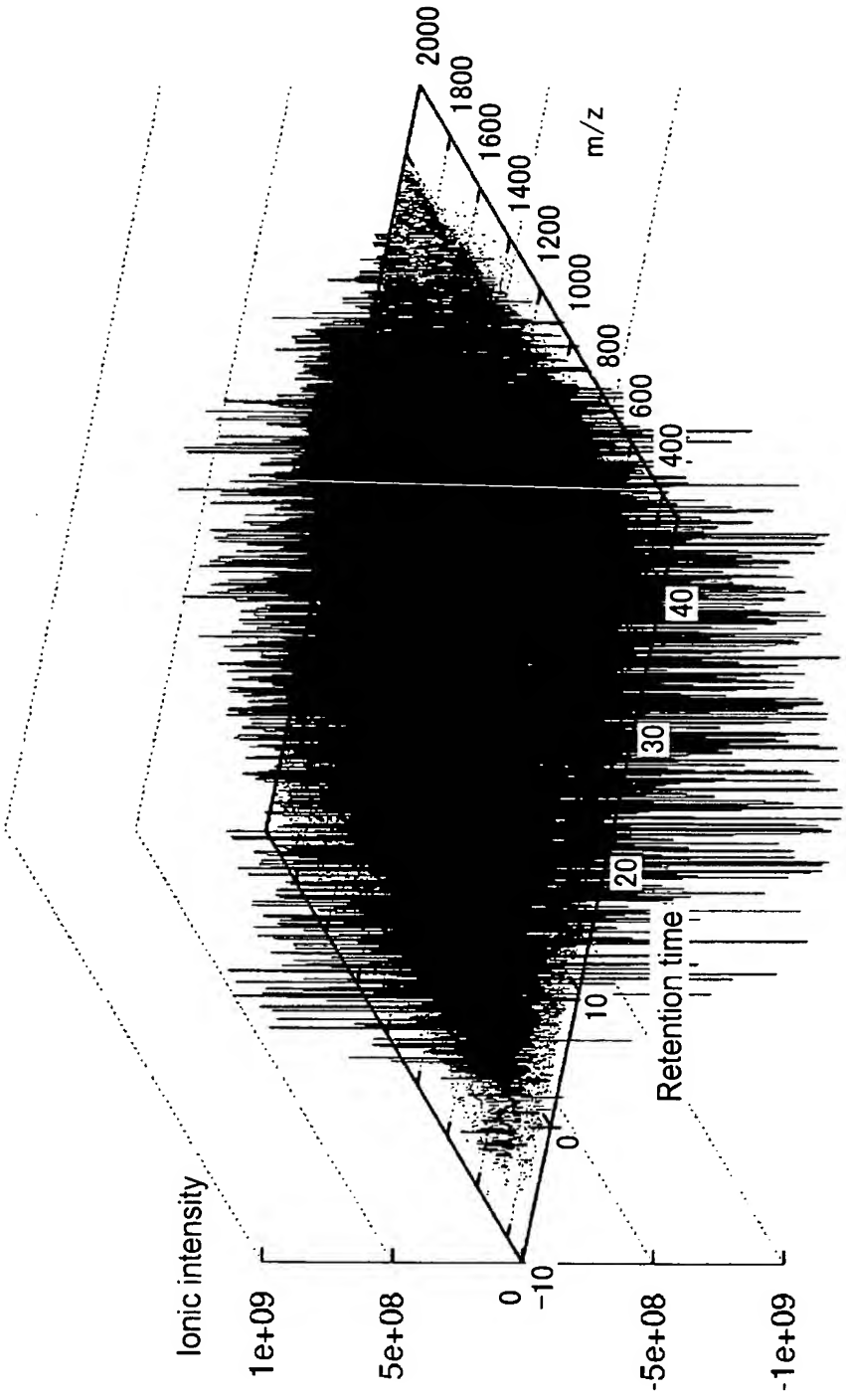

m/z
1400
1200
1000
800
600
Retention time
5
10
15
20
25
30
35
40
45

Fig. 11


Ionic intensity
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5e+08
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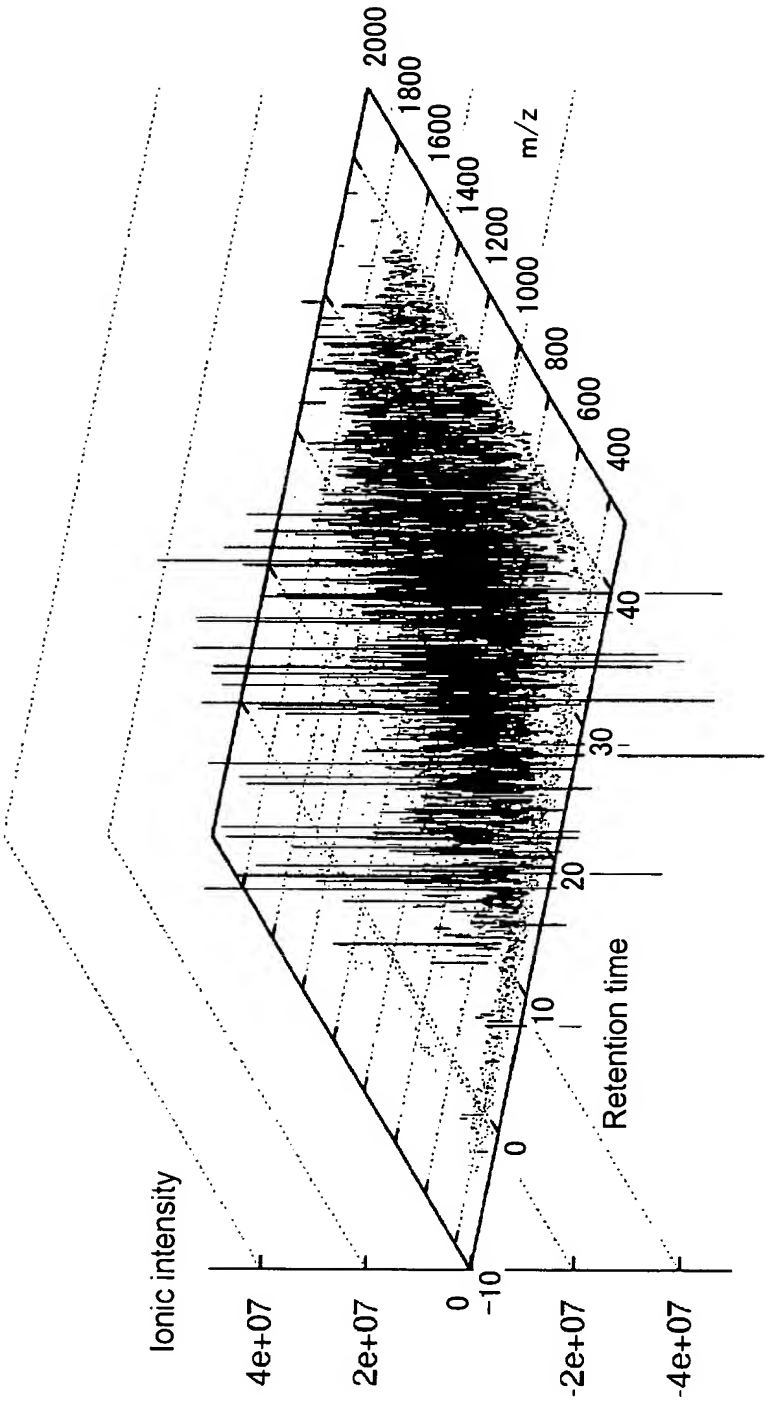
-5e+08
-1e+09
Retention time
0
10
20
30
40
m/z
2000
1800
1600
1400
1200
1000
800
600
400

Fig. 12

Fig. 13


Ionic intensity
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-4e+07
Retention time
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0
10
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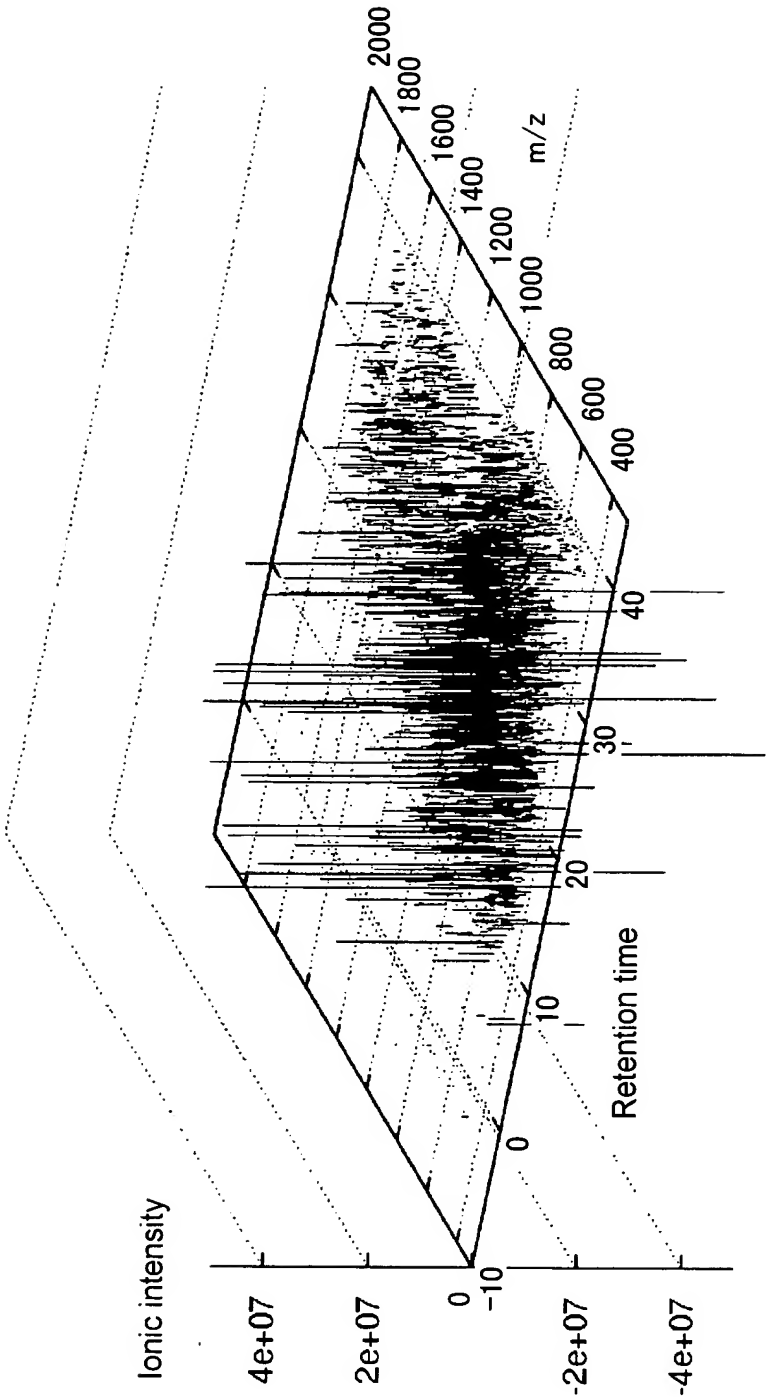
30
40
m/z
2000
1800
1600
1400
1200
1000
800
600
400

Fig. 14


Ionic intensity
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2e+07
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-2e+07
-4e+07
Retention time
-10
0
10
20
30
40
m/z
2000
1800
1600
1400
1200
1000
800
600
400

Fig. 15

Proteome pattern	Significant difference	Protein name	SwissProt
N+ specific	Present	Metastasis associated protein (MTA3)	MTA3_HUMAN
Slightly N+ specific	Significant	Calcyclin	S106_HUMAN
Slightly N+ specific	Absent	Catenin δ-1	CTD1_HUMAN
N- specific	Absent	Catenin α-1	CTN1_HUMAN
Slightly N+ specific	Significant	Calmodulin	CALM_HUMAN
Slightly N- specific	Absent	Calcium/calmodulin-dependent serine protein kinase / hCASK	CSKP_HUMAN
Slightly N- specific	Significant	Neuromodulin / Calmodulin-binding protein P-57.	NEUM_HUMAN
Slightly N+ specific	Significant	Collagen α3(IV)	CA34_HUMAN
Almost the same level	Present	Collagen α5(IV)	CA54_HUMAN
Slightly N+ specific	Absent	Neutrophil gelatinase-associated lipocalin (NGAL)	NGAL_HUMAN
Slightly N+ specific	Present	Fibronectin	FINC_HUMAN
Almost the same level	Present	A disintegrin and metalloproteinase with thrombospondin motifs 15 (ADAMTS-	AT15_HUMAN
Slightly N- specific	Present	A disintegrin and metalloproteinase with thrombospondin motifs 19 (ADAMTS-	AT19_HUMAN
Slightly N+ specific	Present	A disintegrin and metalloproteinase with thrombospondin motifs 2 (ADAMTS-2)	ATS2_HUMAN
Slightly N- specific	Present	Integrin α-3 / VLA-3 α	ITA3_HUMAN
Slightly N+ specific	Present	Integrin α-6 / VLA-6	ITA6_HUMAN
Slightly N+ specific	Significant	Integrin α-11.	ITAH_HUMAN
Slightly N+ specific	Significant	Integrin α-M / CD11b / Leukocyte adhesion receptor MO1	ITAM_HUMAN
N+ specific	Present	Integrin β-1 / VLA-4 β	ITB1_HUMAN
Slightly N+ specific	Significant	Laminin α-2	LMA2_HUMAN
N+ specific	Present	Laminin α-4	LMA4_HUMAN
Slightly N+ specific	Present	Laminin γ-1	LMG1_HUMAN
Slightly N+ specific	Present	Laminin γ-2	LMG2_HUMAN
Slightly N+ specific	Significant	Matrin 3.	MAT3_HUMAN
Slightly N+ specific	Present	Nucleophosmin (NPM) / Numatrin	NPM_HUMAN
Slightly N+ specific	Significant	Tenascin	TENA_HUMAN
Slightly N+ specific	Present	Tissue inhibitor of metalloproteinases-3 (TIMP-3)	TIM3_HUMAN
Slightly N+ specific	Significant	Urokinase plasminogen activator surface receptor (uPAR)	UPAR_HUMAN
N+ specific	Present	Vinculin	VINC_HUMAN
Slightly N+ specific	Present	TIE-2	TIE2_HUMAN
Slightly N+ specific	Significant	Insulin-like growth factor binding protein complex acid labile chain (ALS)	ALS_HUMAN
N+ specific	Present	EGF	EGF_HUMAN
Slightly N+ specific	Significant	EGFR kinase substrate EPS8	EPS8_HUMAN
N+ specific	Present	Insulin-like growth factor binding protein 2 (IGFBP-2)	IBP2_HUMAN
N+ specific	Significant	Mast/stem cell growth factor receptor (SCFR)	KIT_HUMAN
Almost the same level	Present	β-nerve growth factor (β-NGF).	NGF_HUMAN
N+ specific	Present	VEGFR-3	VGR3_HUMAN
Slightly N+ specific	Present	EGFR / ErbB-1	EGFR_HUMAN
N+ specific	Present	ErbB-2 / HER2	ERB2_HUMAN
Slightly N- specific	Absent	ErbB-3 / HER3	ERB3_HUMAN
Almost the same level	Present	MEKK3	M3K3_HUMAN
Slightly N+ specific	Present	MEKKK6	M4K6_HUMAN
Slightly N+ specific	Absent	MAPKK7 / JNKK2	MPK7_HUMAN
Slightly N- specific	Absent	HSP75 / TRAP-1	TRAL_HUMAN
Slightly N+ specific	Present	Nucleoside diphosphate kinase B (NDK B) / nm23-H2	NDKB_HUMAN
N+ specific	Significant	Serine/threonine-protein kinase PAK 1 / p21-activated kinase 1	PAK1_HUMAN
Slightly N+ specific	Absent	Interferon-regulated resistance GTP-binding protein MxA / IFI-78K	MX1_HUMAN
Slightly N- specific	Present	Transcriptional coactivator Sp110 / Interferon-induced protein 41/75	SP11_HUMAN
Slightly N- specific	Present	Interleukin-12 α (IL-12A)	I12A_HUMAN
Slightly N- specific	Absent	Interleukin 18 receptor 1	IR18_HUMAN
N+ specific	Present	Cytochrome P450 3A43	C343_HUMAN
N+ specific	Present	Cytochrome P450 3A7	CP37_HUMAN
Slightly N- specific	Significant	Cytochrome P450 4F3	CPF3_HUMAN